

## **Reflective Cracking Testing Notes**

**Date:** March 20, 2017

**Project:** Reflective Cracking Indoor Phase 5

**Temperature:**

Ambient temp: 44.9F

Interface temp: T1-N = 27.7F; T1-S = 27.9F

**Working Hours:** 7:00 AM – 3:30 PM

**Sub-Contractor(s):** N/A

**Equipment:** N/A

### **Reflective Cracking Testing Notes:**

Cycle count: 1919

South test item observations:

- Outer vertical edge:
  - Note: All pictures were taken in the 12 mil open condition.
  - No significant visual changes were observed.
  - The South outer vertical edge is cracked, as shown in Figure 1.
- Joint surface area:
  - No significant visual changes were observed.
  - First top surface gauge SG5-S-6, as shown in Figure 2.
  - Second top surface gauge SG4-S-6, as shown in Figure 3.
  - Third top surface gauge SG3-S-6, as shown in Figure 4.
  - Fourth top surface gauge SG2-S-6, as shown in Figure 5.
  - Top view of the South test section surface crack, as shown in Figure 7.
- Inner vertical edge:
  - No significant visual changes were observed.
  - The South inner vertical edge is cracked, as shown in Figure 6.

North test item observations:

- Outer vertical edge:
  - Note: All pictures were taken in the 12 mil open condition.
  - No significant visual changes were observed.
  - The North outer vertical edge is cracked, as shown in Figure 9.
- Joint surface area:
  - No significant visual changes were observed.
  - First top surface gauge SG5-N-3, as shown in Figure 10.
  - Second top surface gauge SG4-N-3, as shown in Figure 11.
  - Third top surface gauge SG3-N-3, as shown in Figure 12.
  - Fourth top surface gauge SG2-N-3, as shown in Figure 13.
  - See inner coming crack propagation below SG2-N-3 and outer coming crack propagation at the right side of SG2-N-3, as shown in Figure 14.
- Inner vertical edge:
  - No significant visual changes were observed.
  - The North inner vertical edge is cracked as shown in Figure 15.

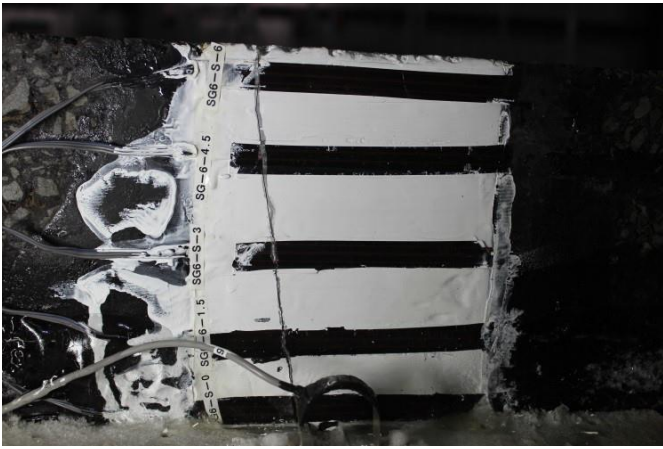


Figure 1. South outer vertical edge

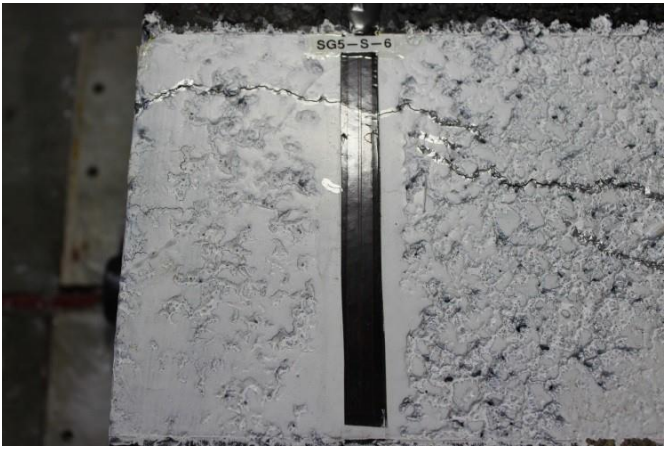


Figure 2. First surface gauge SG5-S-6

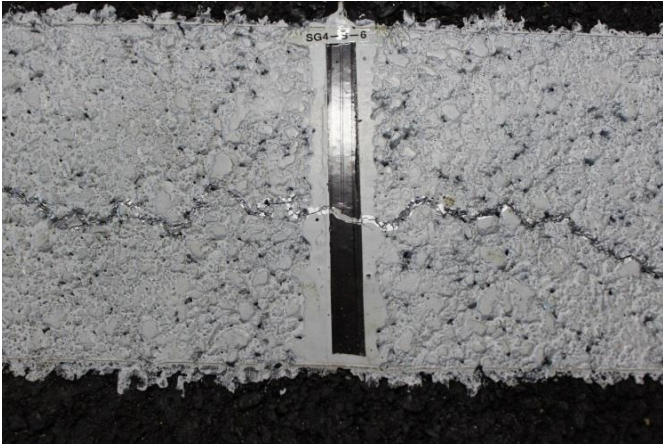


Figure 3. Second surface gauge SG4-S-6

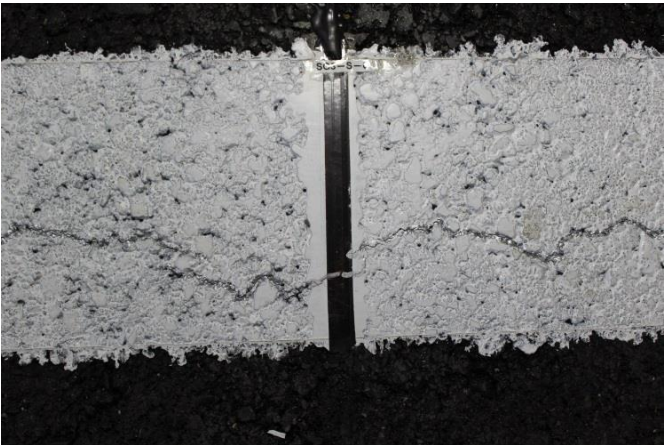


Figure 4. Third surface gauge SG3-S-6

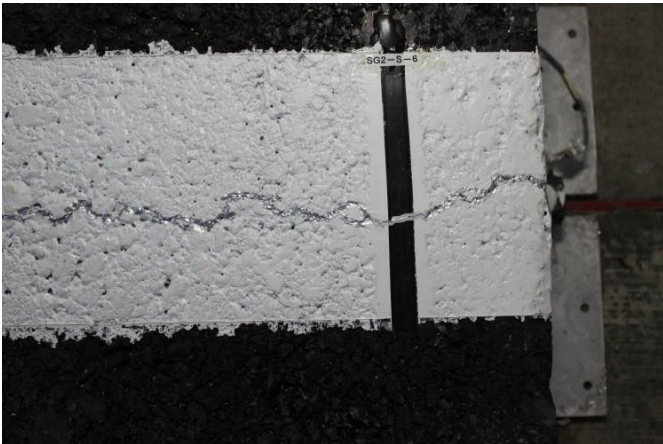


Figure 5. Fourth surface gauge SG2-S-6

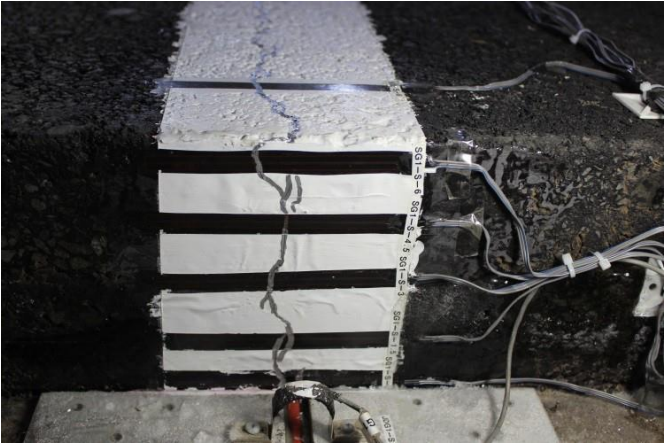


Figure 6. South inner vertical edge



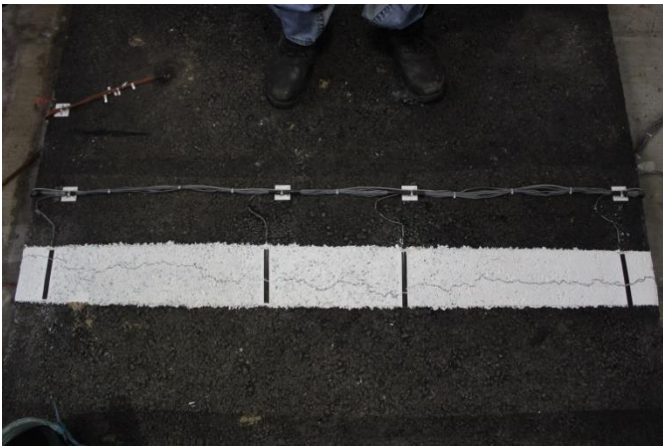


Figure 7. Top view of South test section surface crack

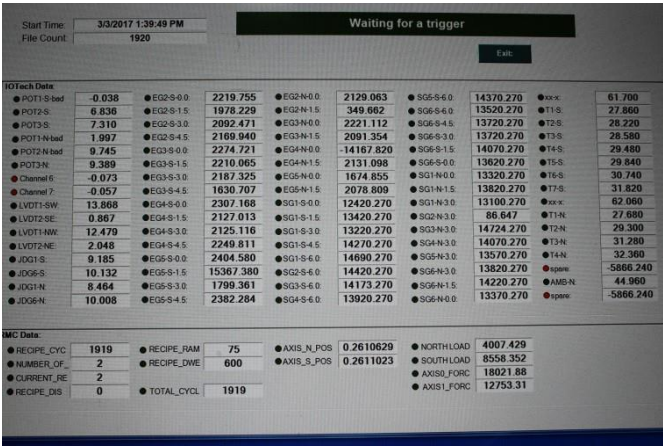


Figure 8. Data display

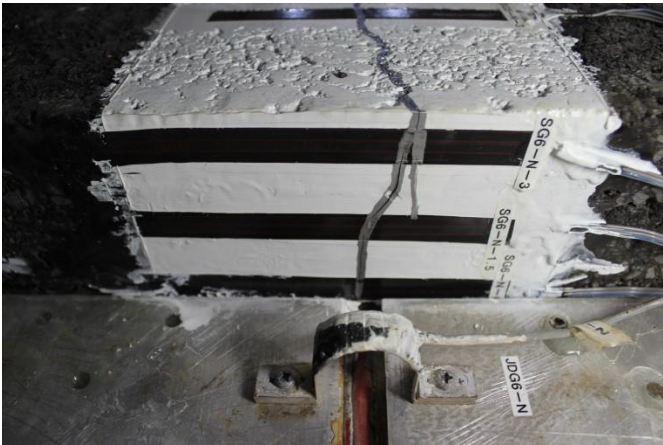


Figure 9. North outer vertical edge

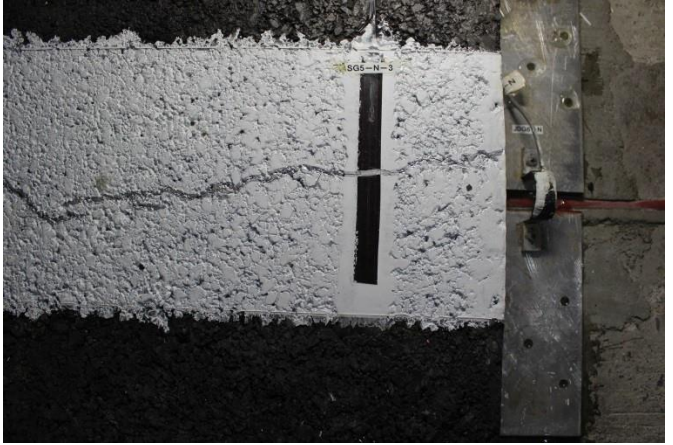


Figure 10. First surface gauge SG5-N-3



Figure 11. Second surface gauge SG4-N-3



Figure 12. Third surface gauge SG3-N-3



Figure 13. Fourth surface gauge SG2-N-3



Figure 14. Place where the inner and outer cracks come together (to the right of SG2-N-3)



Figure 15. North inner vertical edge